

In the claims:

Cancel claims 5 and 9 without prejudice.

Add the following claims:

10. Electromechanical drive element for the exact positioning of an object in the centimeter range, comprising a rotor (11) supported in a bearing element and at least one piezoelectric element (18) that can be acted upon with an electrical voltage, wherein the bearing element (12, 13, 14) comprises at least one rotor receptacle (16) supported on a bearing block (15) in a fashion that allows it to be rotated within limits, wherein said rotor receptacle (16) can be rotated by the expansion and/or contraction - induced by an electric voltage - of the at least one piezoelectric element (18), wherein the rotor (11) is supported in the at least one rotor receptacle (16) in a fashion that allows it to be rotated with friction, and wherein the friction between the rotor (11) and the at least one rotor receptacle (16) is such that the rotor (11) does not follow relatively rapid revolutions of the at least one rotor receptacle (16), but follows relatively slow revolutions of the at least one rotor receptacle (16), wherein the rotor (11) is supported in the at least one rotor receptacle (16) in a fashion that allows it to be rotated with friction, and

wherein the friction between the rotor (11) and the at least one rotor receptacle (16) is such that the rotor (11) does not follow relatively rapid revolutions of the at least one rotor receptacle (16), but follows relatively slow revolutions of the at least one rotor receptacle (16), wherein the bearing element (12, 13, 14) has a piezoelectrically driven bearing ring (16) to accommodate one end (11.1) of the rotor (11), and a lower-friction abutment for the other end (11.2) of the rotor (11).

11. Electromechanical drive element for the exact positioning of an object in the centimeter range, comprising a rotor (11) supported in a bearing element and one piezoelectric element (18) that can be acted upon with an electrical voltage, wherein the bearing element (12, 13, 14) comprises at least one rotor receptacle (16) supported on a bearing block (15) in a fashion that allows it to be rotated within limits, wherein said rotor receptacle (16) can be rotated by the expansion and/or contraction - induced by an electric voltage - of the one piezoelectric element (18), wherein the rotor (11) is supported in the at least one rotor receptacle (16) in a fashion that allows it to be rotated with friction, and wherein the friction between the rotor (11) and the at least one rotor receptacle (16) is such that the rotor (11) does not follow relatively rapid revolutions of the at least one rotor receptacle (16), but follows relatively slow revolutions of the at least one rotor receptacle

(16), wherein the rotor (11) is supported in the at least one rotor receptacle (16) in a fashion that allows it to be rotated with friction, and wherein the friction between the rotor (11) and the at least one rotor receptacle (16) is such that the rotor (11) does not follow relatively rapid revolutions of the at least one rotor receptacle (16), but follows relatively slow revolutions of the at least one rotor receptacle (16).